

Claims

1. Injection-molding device (1) comprising a frame which extends with a first mold part (34), which cannot be displaced along a vertical axis (7), on the top side or underside, and a second mold part (33), which can be displaced along a vertical axis (7), on the underside or top side, displacement means (5-11), which are arranged between the frame and the second mold part in order to displace the second mold part from and to the first mold part in order to carry out an injection-molding operation, aligning means (15) being arranged between the frame and a mold part in order to displace the free end face of the first mold part such that it bears flat against the free end face of the second mold part said aligning means comprising at least two ribs (16, 17; 59, 60) which lie in line with one another and extend perpendicularly and radially with respect to the vertical axis (7) in a plane, and which ribs are on the one hand connected to a mold part (33) and on the other hand connected to the frame or the displacement means, which ribs end at a central opening (19; 29).
2. Injection-molding device as claimed in claim 1, comprising two sets of ribs (16, 17; 59, 60), which extend perpendicular to one another and are connected by an auxiliary plate (57).
3. Injection-molding device as claimed in one of the preceding claims, in which, as seen in cross section perpendicular to the vertical axis (7) taken halfway up the ribs (15, 16), these ribs converge toward the radially outer side.
4. Injection-molding device as claimed in claim 3, in which said ribs taper.
5. Injection-molding device as claimed in one of the preceding claims, in which, as seen in cross section perpendicular to the radial axis (18) of said ribs (16, 17), the end boundary of said ribs is a continuous line.
6. Injection-molding device as claimed in claim 5, in which the said continuous line is a (part-)circle.
7. Injection-molding device as claimed in claim 5 or 6, in which the said ribs are delimited on either side by a circular cylinder.
8. Injection-molding device as claimed in one of the preceding claims, comprising a

vertical injection-molding device with a vertically extending frame.

9. Mold part (33) provided with aligning means (15) as described in one of the preceding claims.